

Recombinant Human INVS protein, His & T7-tagged

Cat. No. INVS-7870H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human INVS aa. (Met1~Val237 (Accession # Q9Y283)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Met1~Val237
Description	This gene encodes a protein containing multiple ankyrin domains and two IQ calmodulin-binding domains. The encoded protein may function in renal tubular development and function, and in left-right axis determination. This protein interacts with nephrocystin and infers a connection between primary cilia function and left-right axis determination. A similar protein in mice interacts with calmodulin. Mutations in this gene have been associated with nephronophthisis type 2. Multiple transcript variants encoding distinct isoforms have been identified for this gene.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 30.0kDa.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>90%

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Characteristic	The isoelectric point is 8.3.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	INVS inversin [Homo sapiens (human)]
Official Symbol	INVS
Synonyms	INVS; inversin; INV; NPH2; NPHP2; inversion of embryo turning homolog; inversion of embryonic turning; nephrocystin-2
Gene ID	27130
mRNA Refseq	NM_014425.4

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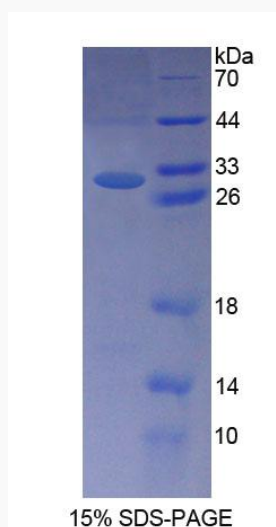
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Protein Refseq NP_055240.2

UniProt ID Q9Y283

SDS-PAGE



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